ELSEVIER

Chemistry and Physics of Lipids
102 (1999) 195

CPL
CHEMISTRY AND
PHYSICS OF LIPIDS

Volume contents

Volume 102 (1999)

Preface 1

A.L. Weis (USA) *New approaches to synthesis of stereospecific sphingomyelin*. 3
J.P. Slotte (Finland) *Sphingomyelin–cholesterol interactions in biological and model membranes*. 13
Y. Barenholz, T.E. Thompson (Israel, USA) *Sphingomyelin: biophysical aspects* 29
K. Ferlinz, T. Linke, O. Bartelsen, M. Weiler, K. Sandhoff (Germany) *Stimulation of lysosomal sphingomyelin degradation by sphingolipid activator proteins* 35
S. Gatt (Israel) *Studies of sphingomyelin and sphingomyelinases* 45
R.E. Pagano, R. Watanabe, C. Wheatley, C.-S. Chen (USA) *Use of N-[5-(5,7-dimethyl boron dipyrromethene difluoride-sphingomyelin to study membrane traffic along the endocytic pathway* 55
D. Samet (Glick), Y. Barenholz (Israel) *Characterization of acidic and neutral sphingomyelinase activities in crude extracts of HL-60 cells* 65
S. Chatterjee (USA) *Neutral sphingomyelinase: past, present and future* 79
Å. Nilsson, R.-D. Duan (Sweden) *Alkaline sphingomyelinases and ceramidases of the gastrointestinal tract* 97
W. Stoffel (Germany) *Functional analysis of acid and neutral sphingomyelinases in vitro and in vivo* . . . 107
I. Tabas (USA) *Secretory sphingomyelinase* 123
A.H. Merrill, Jr., M. Nikolova-Karakashian, E.M. Schmelz, E.T. Morgan, J. Stewart (USA) *Regulation of cytochrome P450 expression by sphingolipids* 131
H. Sawai, Y.A. Hannun (USA, Japan) *Ceramide and sphingomyelinases in the regulation of stress responses*. 141
J.L. Tilly, R.N. Kolesnick (USA) *Sphingolipid signaling in gonadal development and function*. 149
M. Krönke (Germany) *Involvement of sphingomyelinases in TNF signaling pathways*. 157
T. Levade, N. Andrieu-Abadie, B. Ségui, N. Augé, M. Chatelut, J.-P. Jaffrézou, R. Salvayre (France) *Sphingomyelin-degrading pathways in human cells: Role in cell signalling* 167
E.H. Schuchman (USA) *Hematopoietic stem cell gene therapy for Niemann–Pick disease and other lysosomal storage diseases*. 179

Author Index–Volume 102. 189
Subject Index–Volume 102. 191
Contents–Volume 102 195